BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

the work: **Estimate for Improvements and Asphalting to A.P.C Layout 4th Cross and other roads in Ward No. 09, Vidyaranyapura Sub Division.**

							Estimate Cost:		1000000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 138 / Item No. 19.1/ PWD SR 2014-15**	Cum							
	Drain Desilting								
	4th Cross		2	225.00	0.45	0.30	60.75		
	Berm Cutting								
	4th Cross		2	225.00	0.90	0.25	101.25		
							162.00	75.60	**12247.00**
	Basic Rate	70.00							
	Area Weightage @8%	5.60							
	Total	**75.60**							
2	KSRRB 500-3: Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100m, sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications. MORTH chapter 5, **No. 157 / Item No. 21.3 / PWD SR 2014-15**	Sqm							
			2	225.00	1.30		585.00		
							585.00	82.94	**48522.00**
	Basic Rate	76.80							
	Area Weightage @ 8%	6.14							
	Total	**82.94**							

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	...ing, spreading and compacting ...e aggregate to **wet mix macadam** ...on including premixing the Material with ... OMC in mechanical mix plant carriage of ... Material by tipper to site, laying in uniform ...rs with paver in sub-base / base course on ...ell prepared surface and compacting with ...vibratory roller to achieve the desired density complete as per specifications **Page No. 154 / Item No. 20.18 PWD SR - 2014-15.**	Cum							
			2	225.00	1.30	0.15	87.75		
	Road Cutting		9	6.00	0.90	0.15	7.29		
	Pot Hole Filling		18	4.80	1.50	0.15	19.44		
			15	3.90	1.00	0.15	8.78		
			22	5.00	2.50	0.15	41.25		
							164.51		
	Consider 10% for Road Cutting						16.45		
							180.96	1438.56	**260315.00**
	Basic Rate	1332.00							
	Area Weightage @ 8%	106.56							
	Total	**1438.56**							
4	KSRRB 500-1.1 : **Cleaning the existing WBM** road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 **P. 157 / I. 21.1 PWDSR 2014-15**	Sqm							
			1	225.00	5.00		1125.00		
							1125.00	12.20	**13730.00**
	Basic Rate	11.30							
	Area Weightage @ 8%	0.90							
	Total	**12.20**							
5	KSRRB M500-6: **Providing and applying primer coat for surfaces of medium porosity** like cement stabilized soil base @ 1.10 Kg/Sqmt over prepared surface with S.S bitumen emulsion using bitumen tanker fitted with spray set (excluding cleaning of road surface) including cost of all material, labour HOM of machineries complete as per specifications. MORTH specification NO. 502, **Page No. 157 / Item No. 21.5 / PWD SR 2014-15**	Sqm							

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			Qty Vide Item No. 04				**1125.00**	74.52	**83835.00**
	Basic Rate	69.00							
	Area Weightage @ 8%	5.52							
	Total	**74.52**							
	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 508 complete in all respects as per specifications. **using 100-120 TPH capacity H.M.P with sensor paver grading II (25-30mm) with 5% CRMB-55 grade, No. 160 / Item No. 21.21.2 / PWD SR 2014-15**	Cum							
			1	225.00	5.00	0.025	28.13		
							28.13		
	Consider 10% For Depression Filling						2.81		
							30.94	11070.00	**342478.00**
	Basic Rate	10250.00							
	Area Weightage @ 8%	820.00							
	Total	**11070.00**							
7	KSRRB 3000: **Filling Pot-holes and patch repairs with bituminous concrete, 40 mm,** KSRRB M3000-5, Removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the sides and base of excavation as per clause 500.3 back filling the pot hole with bituminous material as per clause 500.4 compacting, trimming and finishing the surface to form a smooth continuous surface, all as per clause 3004.2 complete as per specifications, MORTH specification No. 3004.2, **No. 247 / Item No. 35.5 PWD SR 2014-15**	Sqm							
	Pot Hole Filling Surrounding Area		18	4.80	1.50		129.60		
			15	3.90	1.00		58.50		
			22	5.00	2.50		275.00		
	Road Cutting Surrounding Are		9	6.00	0.90		48.60		
							511.70	428.76	**219396.00**
	Basic Rate	397.00							
	Area Weightage @ 8%	31.76							
	Total	**428.76**							

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	osal of Debris shall be payable at es by Mechanical means inlcuding d unloading. From 0.00 to 2.00 Km (.123)	Cum							
			Vide Item No. 1				**121.50**	73.57	**8939.00**
	rage weight of earth 1.28 tonne / kg for x1.28x2.00=5.12	5.12							
	Add loading and unloading charges Vide item no.17.1 P.no.130	63.00							
		68.12							
	Area Weightage @ 8%	5.45							
	Total	**73.57**							
9	Sub Total								**989462.00**
10	For Third Part QC inspection Charges @ 1% of Estimate Cost								**9895.00**
11	Miscellaneous and other Charges	L/S							**643.00**
								Total	**1000000.00**

(Rs. Ten Lakhs Only)

Administrative approval for Rs 10.00 Lakhs
Ten Lakhs only
AS/EE/57/14-15 Dt. 29/10/14
AE/JE
EE (BTP. Div.)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15.
3 This work included under POW Grants 2014-15.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
W.O.3

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction for Rs 10.00 Lakhs
Ten Lakhs only
139/14-15
TS/EE/139/14-15 Dt. 29/10/14
AE/JE
EE (BTP. Div.)